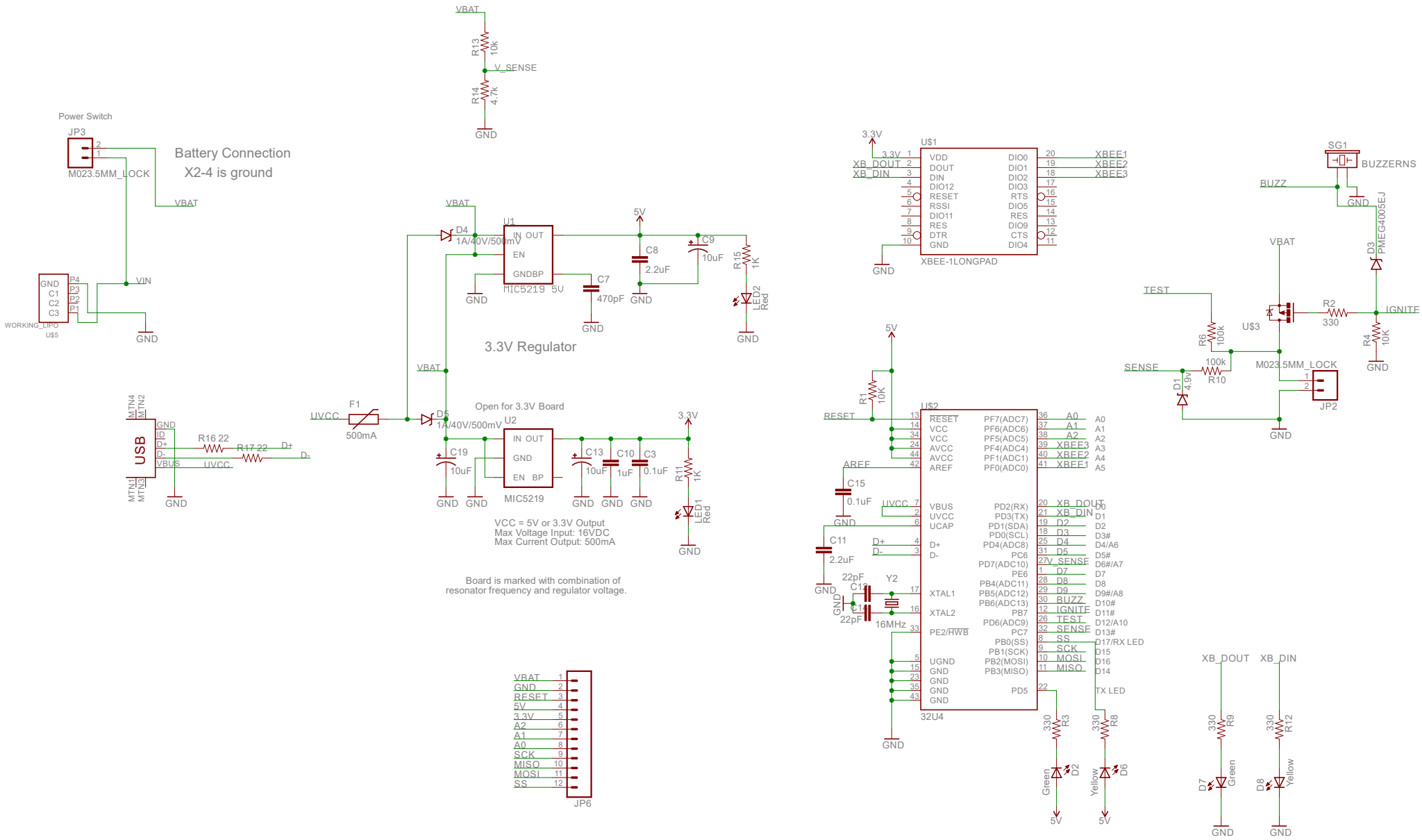
Power Switch
JP3
M023.5MM_LOCK
Battery Connection
X2-4 is ground
VBAT
VIN
GND
WORKING_LIPO
U$5
R13 10k
R14 4.7k
V_SENSE
3.3V Regulator
D4 1A/40V/500mV
U1
MIC5219
IN OUT
EN
GNDBP
5V
C7 470pF
C8 2.2uF
C9 10uF
R15 1K
LED2 Red
F1 500mA
UVCC
D5 1A/40V/500mV
Open for 3.3V Board
U2
C19 10uF
C13 10uF
C10 1uF
C3 0.1uF
R11 1K
LED1 Red
VCC = 5V or 3.3V Output
Max Voltage Input: 16VDC
Max Current Output: 500mA
Board is marked with combination of
resonator frequency and regulator voltage.
USB
MTN4
MTN2
MTN1
MTN3
R16 22
R17 22
D+
D-
VBUS
JP6
VBAT
GND
RESET
5V
3.3V
A2
A1
A0
SCK
MISO
MOSI
SS
U$1
XBEE-1LONGPAD
XB_DOUT
XB_DIN
DIO0
DIO1
DIO2
DIO3
DIO12
RESET
RSSI
DIO11
RES
DTR
CTS
DIO9
DIO5
DIO4
XBEE1
XBEE2
XBEE3
U$2
32U4
R1 10K
C15 0.1uF
C11 2.2uF
22pF
Y2
16MHz
PF7(ADC7)
PF6(ADC6)
PF5(ADC5)
PF4(ADC4)
PF1(ADC1)
PF0(ADC0)
PD2(RX)
PD3(TX)
PD1(SDA)
PD0(SCL)
PD4(ADC8)
PC6
PD7(ADC10)
PE6
PB4(ADC11)
PB5(ADC12)
PB6(ADC13)
PB7
PD6(ADC9)
PC7
PB0(SS)
PB1(SCK)
PB2(MOSI)
PB3(MISO)
PD5
PE2/HWB
XTAL1
XTAL2
UCAP
UGND
TX LED
R3 330
R8 330
D2 Green
D6 Yellow
SG1
BUZZERNS
BUZZ
D3 PMEG4005EJ
IGNITE
TEST
SENSE
U$3
R2 330
R4 10K
R6 100k
R10 100k
D1 4.9v
JP2
R9 330
R12 330
D7 Green
D8 Yellow